

# REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

Fort Bend County Engineering Department 301 Jackson Suite 401

Richmond, Texas 77469 281.633.7500 Permits@fortbendcountytx.gov

	Right of Way Permit
X	<b>Commercial Driveway Permit</b>
Perr	nit No: 2017-12115

Permit No:	2017-12115	
Applicant: Gulf South Pipeline Company, L		y, LLC
Job Location Site: 24910 Westheimer Parkw	ay , Fort Bend, TX 77494	
Bond No. Date of Bond:	Amount:	\$50,000.00
The above applicant came to make use of certain Laying, Construction, Maintenance, and Repair of Roads, Streets, Highways, and Drainage Ditches is Commissioners Court of Fort Bend County, Texas Texas, of the Minutes of the Commissioners Couinconsistant with Chapter 181, Vernon's Texas St	of Buried Cables, Conduits, a in Fort Bend County, Texas, s," as passed by the Commis rt of Fort Bend County, Texa	Under the Jurisdiction of the ssioners Court of Fort Bend County, as, to the extent that such order is not
<ol> <li>Evidence of review by the Commissioners grounds for job shutdown.</li> <li>Written notices are required:         <ul> <li>a. 48 hours in advance of const</li> <li>b. When construction is comple Administrator thru MyGover</li> </ul> </li> <li>This permit expires one (1) year from date</li> </ol>	truction start up, and eted and ready for final insp rnmentOnline.org portal.	pection, submit notification to Permit
On this <u>28th</u> day of <u>February</u> , <u>2017</u> , Upon Motion Commissioner <u>Parterson</u> , dul notice of said above purpose is hereby acknowle that said notice be placed on record according to	ly put and carried, it is ORDE edged by the Commissioners	ERED, ADJUDGED AND DECREED that said s Court of Fort Bend County, Texas, and
Signature	Presented to Com	nmissioners Court and approved.
By: Charly O. Af	Date Recorded	3-9-17 Comm. Court No. 14J
County Engineer		
	Clerk of Commiss	ioners Court
N/A By:	By: Am	11-11
Drainage District Engineer/Manager	Deputy	a William



#### PERMIT APPLICATION REVIEW FORM FOR CABLE, CONDUIT, AND POLE LINE ACTIVITY IN FORT BEND COUNTY

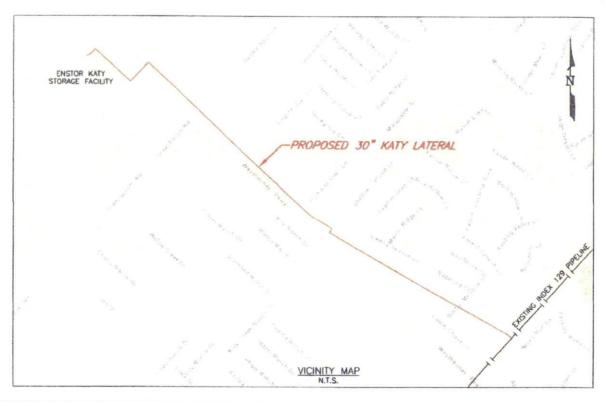
# Fort Bend County Engineering Department 301 Jackson Suite 401 Richmond, Texas 77469

281.633.7500 Permits@fortbendcountytx.gov

	Right o	of Way Permit
X	Comm	ercial Driveway Permit
Perr	nit No: 2	2017-12115



FORT BEND COUNTY, TEXAS



PERMIT	DRAWING INDEX
DRAWING NUMBER	DRAWING TITLE
16CA-129-72-P-104-01	BARTON MEADOW LANE
16CA-129-72-P-104-02	FALCON LANDING BOULEVARD
16CA-129-72-P-104-03	PARWAY OAKS LANE
16CA-129-72-P-104-04	COFFEE BEND
16CA-129-72-P-104-05	SADDLE SPUR LANE
16CA-129-72-P-104-06	WESTHEIMER PARKWAY
16CA-129-72-P-114-01	TEMP. ACCESS ROAD DRIVEWAY DETAIL
16CA-129-72-P-114-02	TEMP. DRIVEWAY DETAIL

PREPARED BY:



3100 S. GESSNER SUITE 400 HOUSTON, TEXAS 77063 TEL: (859) 873-0076 www.ensiteusg.com



FORT BEND COUNTY ENGINEER

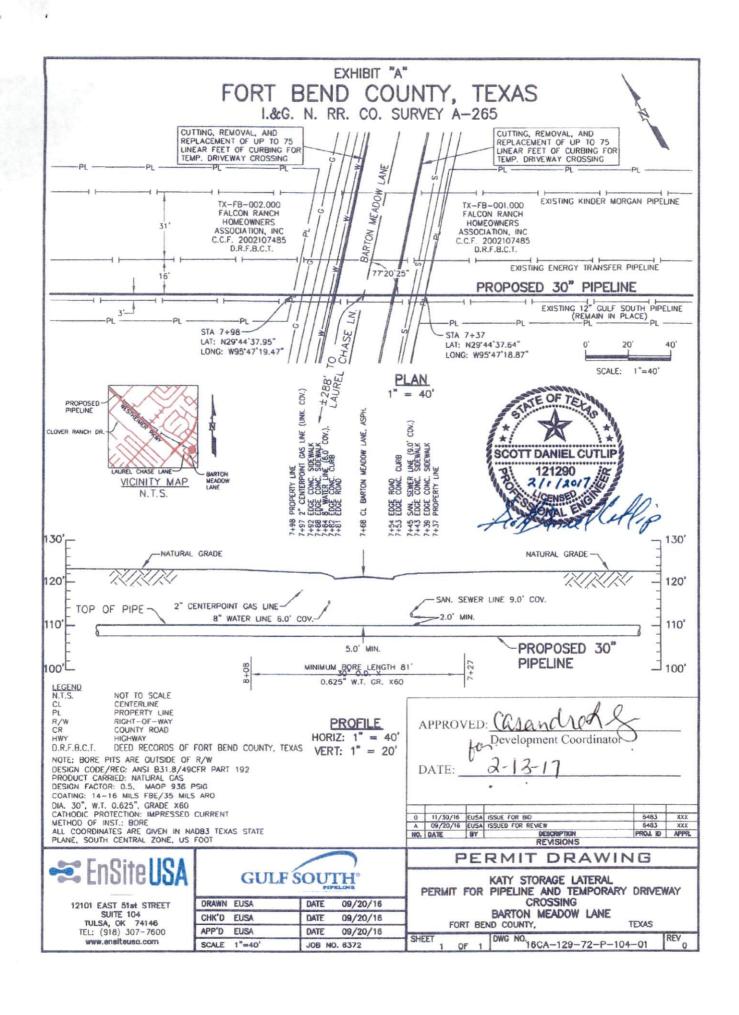
ENGINEER: Pil 9 Starole, FE, Prote

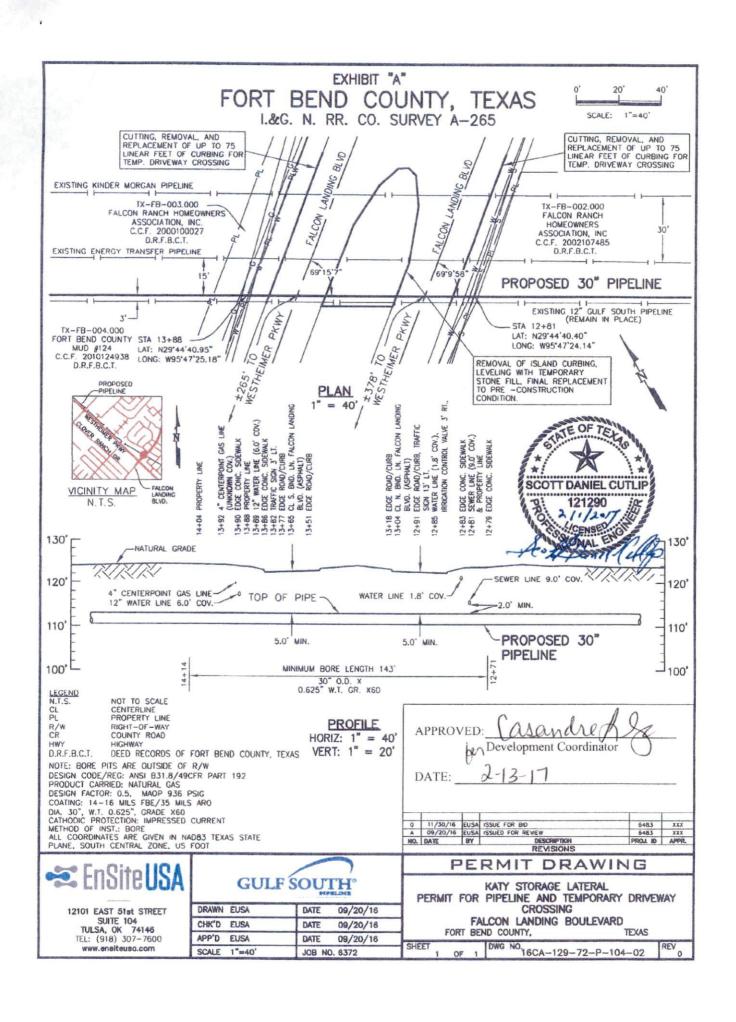
DATE: 2/14/17

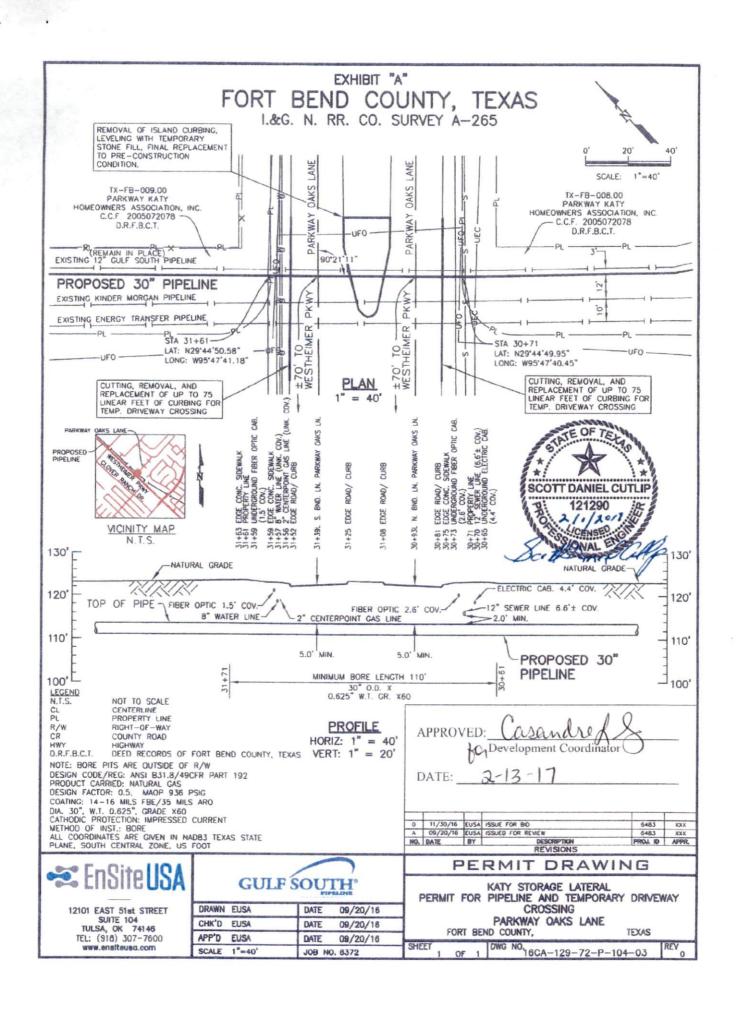
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

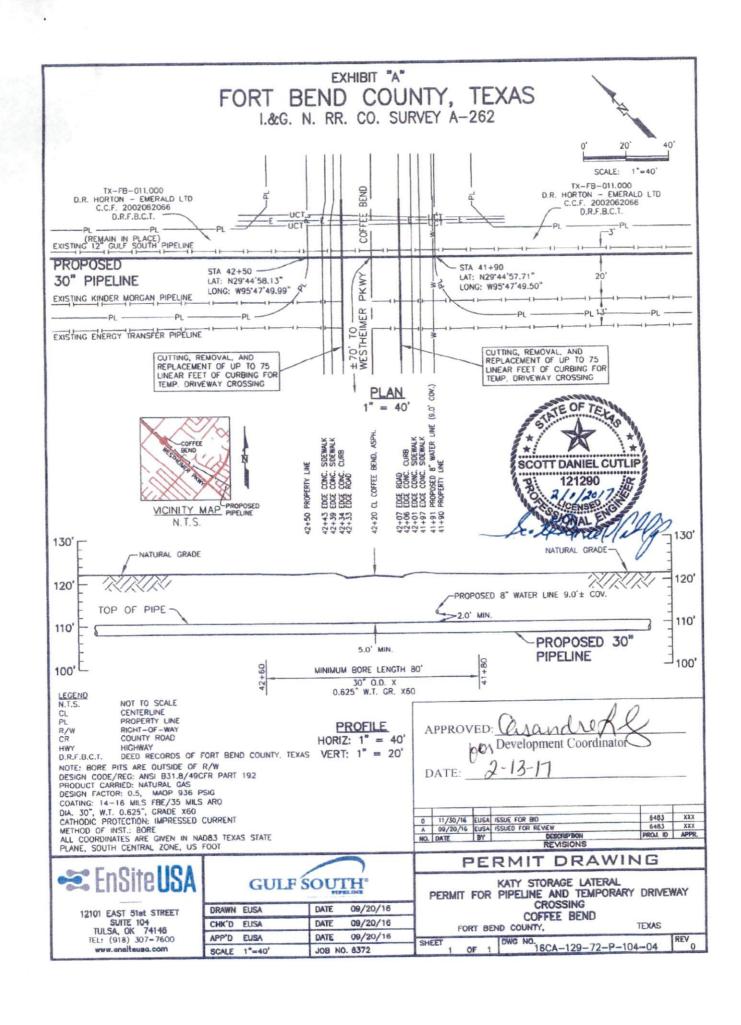
APPROVED: Chandro &

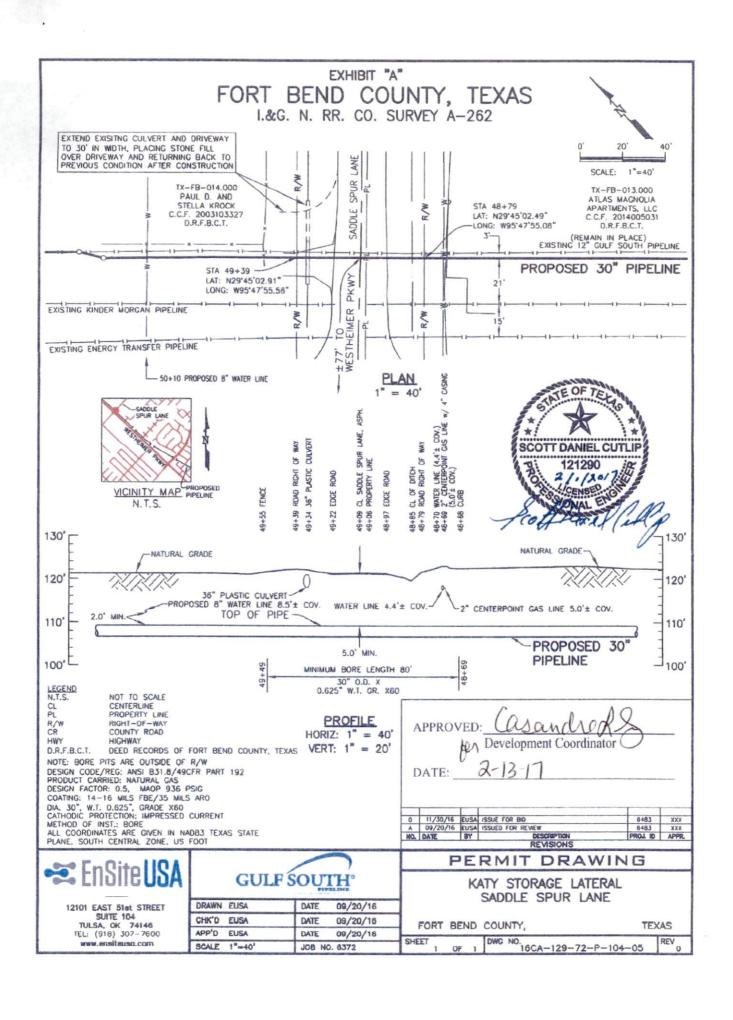
DATE: 2-13-17

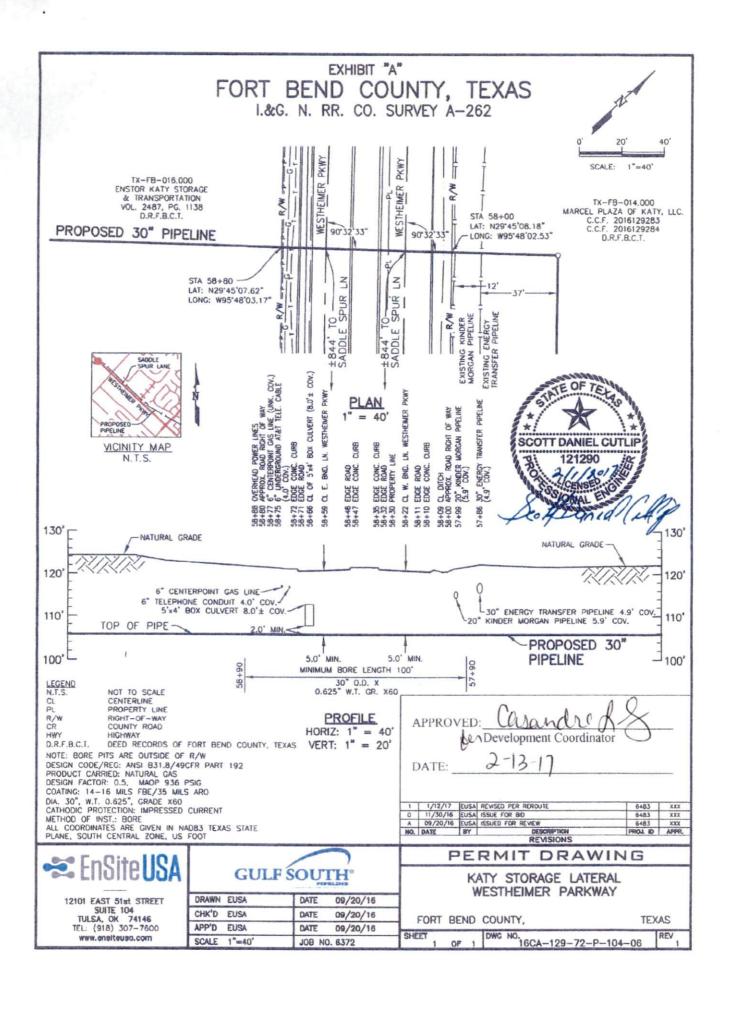


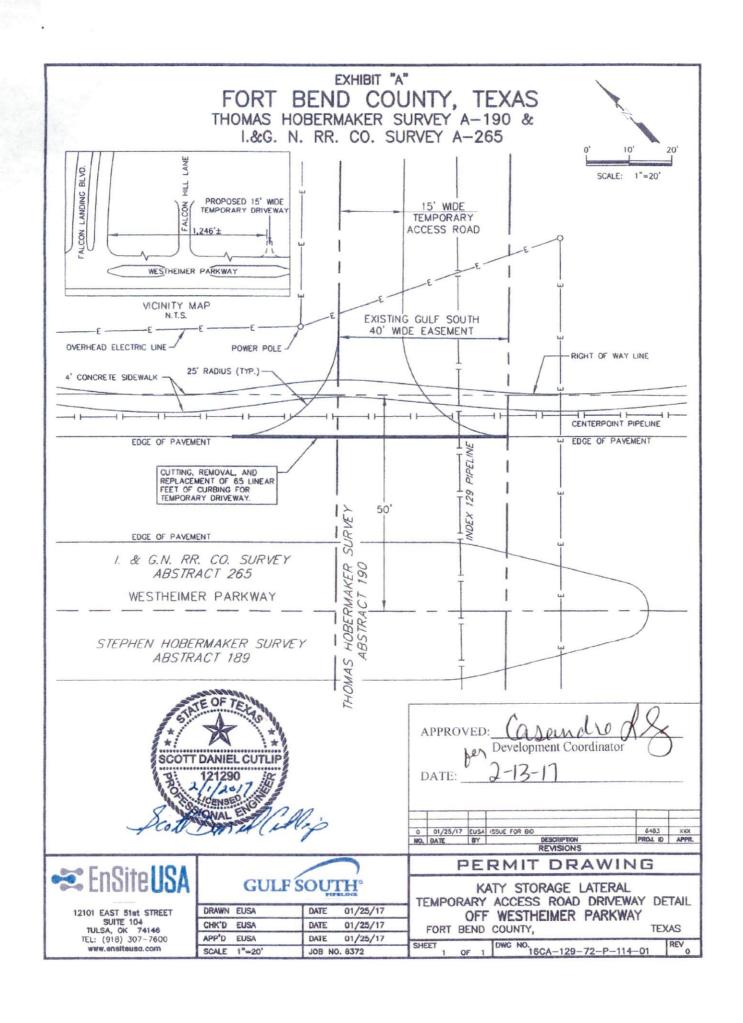












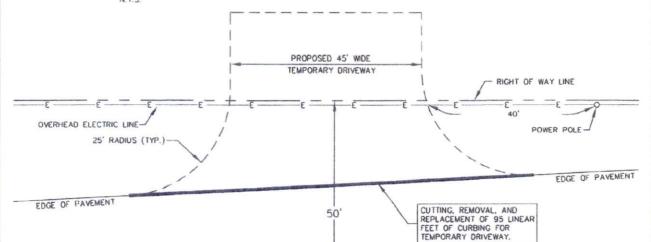
# EXHIBIT "A" FORT BEND COUNTY, TEXAS 1.&G. N. RR. CO. SURVEY A-265



SCALE: 1"=20"

VICINITY MAP

TX-FB-004.000 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 124 C.C.F. 2010124938 D.R.F.B.C.T.



WESTHEIMER PARKWAY

1.&G.N. R.R. CO. SURVEY, A-265

STEPHEN HOBERMAKER SURVEY, A-189



APPROVED: Development Coordinator

DATE:

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
0		-	ISSUE FOR BID	6483	XXX
1			REVISE DRIVEWAY LOCATION	6483	XXX
2	1/4/17	EUSA	REVISE ROAD NAME TO FALCON LANDING BLVD.	6483	XXX



12101 EAST 51st STREET SUITE 104 TULSA, OK 74146 TEL: (918) 307-7600 www.ensiteusg.com

# GULF SOUTH°

DRAWN EUSA	DATE 12/07/16
CHK'D EUSA	DATE 12/07/16
APP'D EUSA	DATE 12/07/16
SCALE 1"=20'	JOB NO. 6372

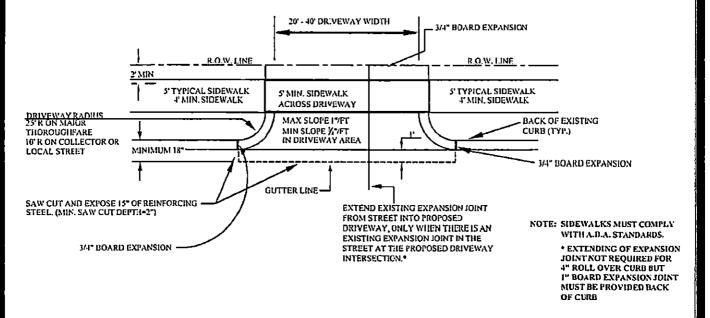
#### PERMIT DRAWING

KATY STORAGE LATERAL TEMPORARY DRIVEWAY DETAIL OFF WESTHEIMER PARKWAY FORT BEND COUNTY, **TEXAS** 

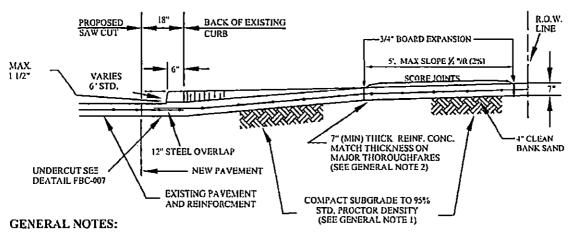
DWG NO. 16CA-129-72-P-114-02 SHEET

WHEN A COMMERCIAL SIDEWALK, DRIVEWAY, CURB OR GUTTER IS CONSTRUCTED, RECONSTRUCTED, REPAIRED OR REGRADED ON COUNTY RIGHT-OF-WAY. FOR USE WITH CONCRETE OR ASPHALT CURB TYPE STREETS, USE SECTIONS APPLICABLE.

A. USE FOR ALL PROPOSED EXISTING CURB REMOVAL FOR DRIVEWAYS (PLAN VIEW NOT TO SCALE)



#### B. USE FOR ALL PROPOSED DRIVES ON CURBED TYPE STREETS



- 1. COMPACT SUBGRADE FOR PROPOSED DRIVEWAY CONNECTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO R.O.W. LINE, COMPACT TO 95% OF STANDARD PROCTOR DENSITY(+/- 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO REQUIRE LABORATORY TESTS TO BE CONDUCTED.
- 2. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE #4 DEFORMED REINFORCING BARS (ASTM A615, GRADE 60, UNLESS NOTED) SPACED AT 24" C.C., EACH WAY, WITH 12" MINIMUM LAP FROM PROPOSED SAW CUT TO R.O.W. LINE.
- 3. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT (5 SACKS (3000 PSI) OF CEMENT PER CUBIC YARD OF CONCRETE), CLASS "A" STRUCTURAL (REFER TO SPECIFICTION 03301), 7" THICK, FROM PROPOSED SAW CUT TO R.O.W. LINE.
- 4. PROPOSED SIDEWALK SHALL BE CONSTRUCTED WITH PORTLAND CEMENT (5 SACKS (3000 PSI) OF CEMENT PER CUBIC YARD OF CONCRETE), CLASS "A" STRUCTURAL (REFER TO SPECIFICTION 03301), 4" THICK.

  5. FOR TYPICAL SIDEWALK DEATAIL SEE FBC-011.

SIDEWALKS & DRIVEWAYS ON
<b>CURB TYPE STREETS</b>
COMMERCIAL AREA

DRAWN BY: L. BRDECKA	
DATE DRAWN: 2-1-94	
APPROVED BY: L. HOOD	

REVISED BY: J. NETARDUS DATE REVISED: 4-7-09

APPROVED BY: L. HOOD DRAWING NO. DATE: 2-1-94 FBC-025A

FORT BEND COUNTY ENGINEERING DEPARTMENT

#### GENERAL NOTES FOR SIDEWALKS AND DRIVEWAYS

- SAW CUT EXISTING CURB AT EACH END AND KNOCK OUT CURB FROM BEGINNING TO END OF PROPOSED DRIVEWAY.
- SAW CUT EXISTING PAVEMENT A MINIMUM OF 18" INCHES AWAY FROM BACK OF CURB (GUTTER LINE) AND BREAK OUT TO EXPOSE EXISTING REINFORCEMENT STEEL.
- COMPACT SUBGRADE FOR PROPOSED DRIVEWAY CONNECTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO RIGHT-OF-WAY LINE, COMPACT TO 95% OF STANDARD PROCTER DENSITY (+/- 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO REQUIRE LABORATORY TESTS TO BE CONDUCTED.
- PLACE AND COMPACT 4" CLEAN BANK SAND.
- MAINTAIN GUTTER LINE WITH FACE OF EXISTING CURB.
- PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE TIED TO EXISTING ROADWAY REINFORCING STEEL WITH A MINIMUM LAP OF 12 INCHES.
- PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE #4 DEFORMED RE-INFORCING BARS ( ASTM A615 GRADE 60, UNLESS NOTED ) SPACED AT 24 INCHES C.C., EACH WAY, WITH 12 INCHES MINIMUM LAP (6"  $\times$  6" W6 x W6 AS ALTERNATE ) FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE.
- PROPOSED DRIVEWAY, CURB, GUTTER LINE, AND GRADE SHALL MATCH EXISTING STREET.
- PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301). 7 INCHES THICK, FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE (PROPERTY LINE).

10. PROPOSED SIDEWALK SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 4 INCHES THICK AND 4 FEET MINIMUM WIDTH. SEE DRAWING ( NO. FBC 24A FOR ADDITIONAL INFORMATION AND DETAILS.

CONSTRUCTION NOTES FOR SIDEWALKS & DRIVEWAYS WITH **CURB TYPE STREETS** COMMERCIAL AREA

DRAWN BY: L. BRDECKA DATE DRAWN: 2-1-94

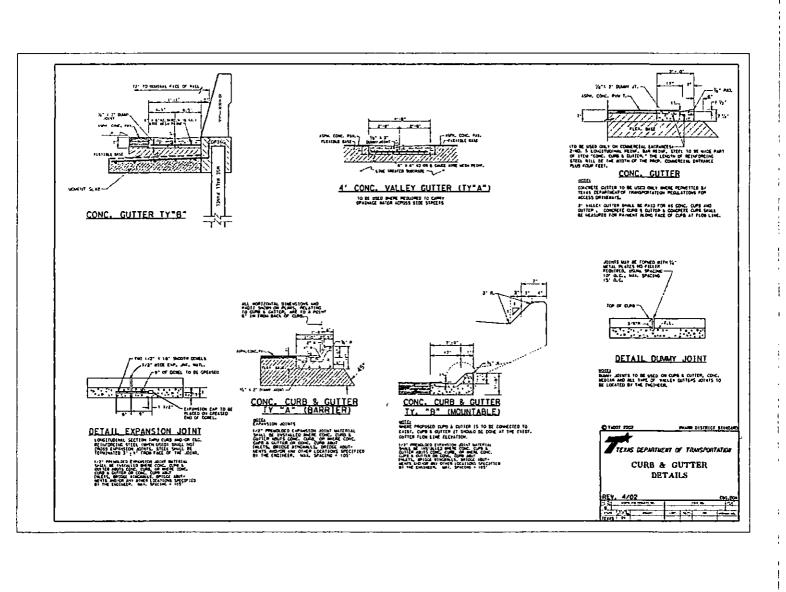
REVISED BY: L. BRDECKA DATE REVISED: 3-10-05

APPROVED BY: L. HOOD I DRAWING NO.

DATE: 2-1-94

FBC-025B

FORT BEND COUNTY ENGINEERING DEPARTMENT





Gulf South Katy Texas Project in Fort Bend Co. 2017 Construction

In order to provide a safe working environment and to ensure the safety of the public when working around roads and highways, proper precautions must be taken to advise motorists of construction activities and to control traffic. Signs will be posted a min of one week before planned construction to alert residents of upcoming actives.

**Qualified employees** who have been trained according to the Texas Department of Transportation (TXDOT) traffic control plans must be assigned when work is being done is adjacent to public roadways.

Signs must be used warning the oncoming traffic a distance as depicted in the following tables ahead of the area where work is being done. When working in or around curves or intersections be sure to put the signs far enough from the work to adequately warn the motorists.

After the work is done or when no work will be going on, the signs must be taken down. Do not leave signs up overnight. This can reduce the effectiveness of the signs when motorists drive by and see the signs and then never see work going on.

When flaggers are required, a minimum of two must be used. Flaggers must not have any other job duties until the need for traffic control is over. If they are relieved from duty, other employees who are qualified to flag and who have received the proper training must relieve them.

#### Equipment needed:

Stop/Slow signs
High Visibility vests
Caution Flags
Caution Signs (construction work ahead, utility work, etc.)
Radios/Communication equipment
Cones

#### **Predetermination of Crossings**

Gulf South and its Service Firm EnSiteUSA has predetermined the number of R.O.W. crossings of public roads and will maintain a running schedule of approximate times and dates that each will occur.

#### Traffic Control Plan



All project construction contractor's will have a Traffic Control Plan (TCP) as outlined in Chapter 6C, "Temporary Traffic Control Elements," of the MUTCD to address the specific traffic hazards associated with each project. Each crew should develop a traffic control plan at the morning tailgate meeting. The crew must decide what devices shall be used, where they will be placed, and so on. This should be documented on the daily job briefing form. The following diagrams shall serve as a guide for the contractors TCP, with the exception that in Fort Bend Country there is no requirement for having a Truck Mounted Attenuator (TMA) but ALL other requirements shall be adhered to.

The Construction Contractor's TCP shall encompass the following:

- The state and local requirements for traffic control in Texas
- · The type of training required
- Who shall be trained
- Supervisor responsible for implementing and managing the TCP
- The recognized traffic control hazards or needs
- · How the hazards will be abated or controlled
- The MUTCD is the federal regulation governing traffic control in the United States. The MUTCD is the minimum guideline that must be followed when controlling traffic. The Supervisor must check to see where the work is being done has a stricter traffic control standard. If so, the local standard shall apply to traffic control performed.
- Before the project begins, the Supervisor or crew leader shall discuss and document on Irby form 115 any recognized traffic control needs or hazards. All traffic controls and hazard controls or abatements also must be documented daily.
- Signs required by this section shall be visible at all times when work is being performed, and shall be removed or covered promptly when the hazards no longer exist.
- Advance warning signs shall, as a minimum, be 48 inches on each side.
- Construction areas shall be posted with legible traffic signs at all points of hazard.
- When company vehicles are parked on the shoulder of Westheimer Parkway, as a minimum, one Shoulder Work sign must be posted.
- When paved shoulders a width of 8 feet or more are closed, a Shoulder Closed sign must be posted to warn traffic that a disabled vehicle may not be able to get off the roadway.
- All traffic control signs or devices used for protection of construction workers shall conform to the MUTCD.



- Advance warning signs must be posted in all directions of travel when vehicles or equipment are parked within 15 feet of the roadway.
  - Vehicle flashers or beacons shall be turned on when vehicles are parked within 15 feet of the roadway.

Advanced warning signs shall be spaced according to enclosed Tables:

- Advance warning signs shall be upright and legible from at least 200 feet.
- Right-of-way entrances to puller and tensioner sites or other right-ofway locations that are used often during the day and that pull off of a frequently used roadway, must be marked with one advanced warning sign posted in each direction of travel.
- At least three 36-inch road cones shall be placed between the roadway and vehicles or equipment set up or parked with 15 feet of the roadway (three cones per vehicle).
- Cones must be positioned to provide adequate room for employees to walk between the cones and the vehicle. Where this is impractical, employees shall avoid the area.
- Employees working or walking within 15 feet of the roadway shall wear a reflective vest.
- Lane closures shall be set up according to figure 6H-10 in Chapter 6H of the MUTCD. A Be Prepared to Stop sign may be substituted or used in conjunction with sign "B" depending on state requirements.
- Temporary road closures shall be set up according to figure 6H-13 in Chapter 6H of the MUTCD.

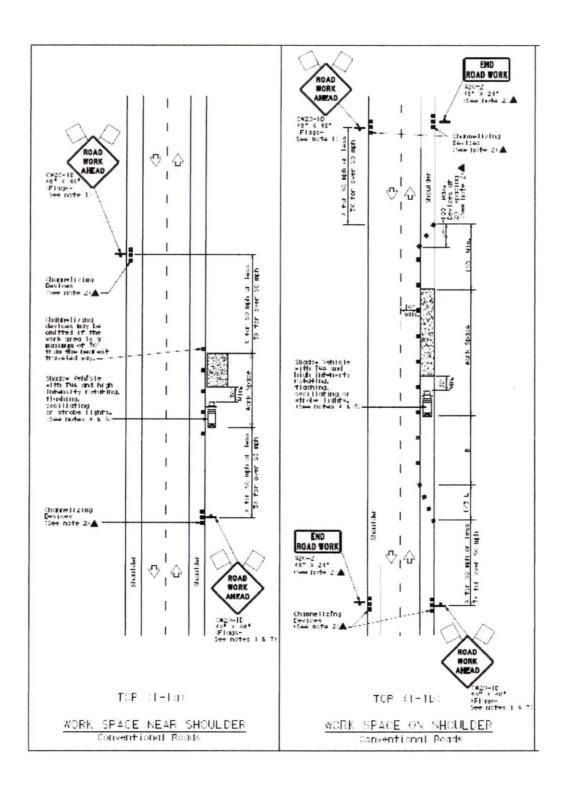
When setting up cones or other devices to channel traffic, the following taper formulas should be used:

When signs, signals, and barricades do not provide the necessary protection on or adjacent to a street, flag persons or other appropriate traffic controls shall be provided.

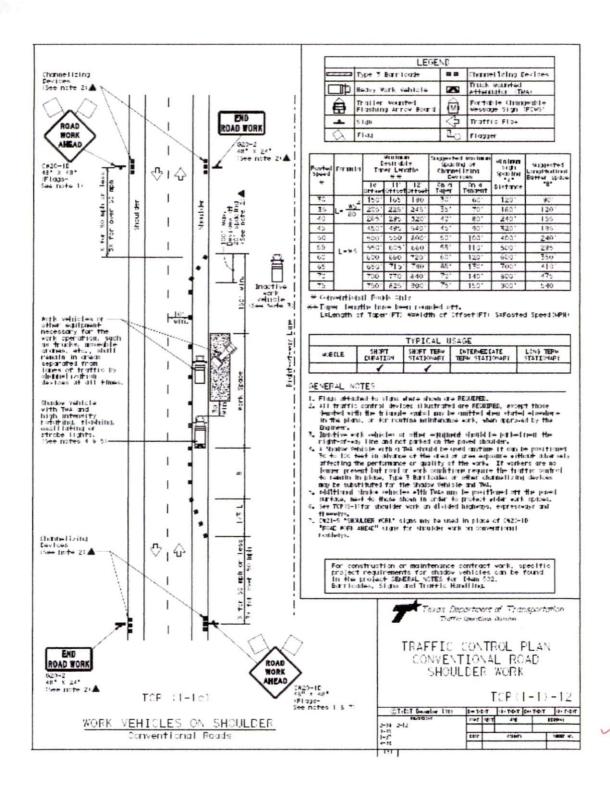
#### EFFECTED ROADWAYS

The Attached road crossing permit drawings represent areas where work will occur

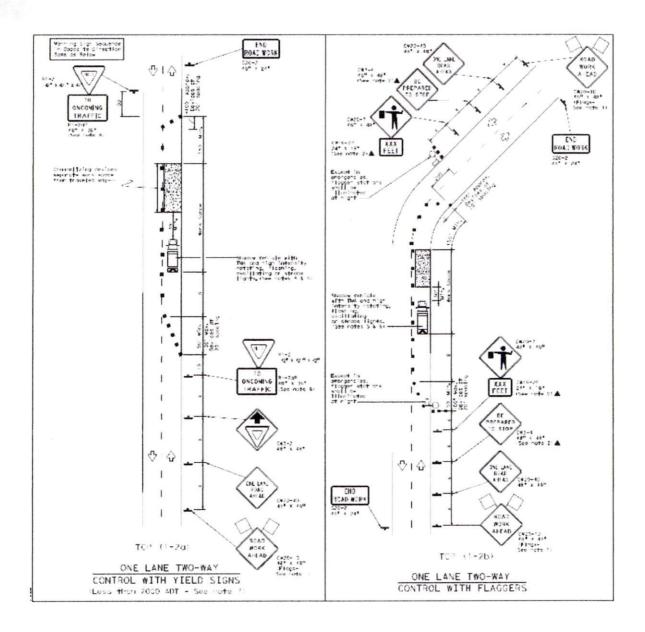














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	Type 3 Story Loade	8 8	Changed Tring Devices
	Heavy Mark Vehicle	(25)	Truck Mounted Attenuation (TMA)
<b>(2)</b>	Trailer younted Flashing Arroy Board	Q	Portoble Changegole Message Sign (PCMS)
-	51gm	♦	Traffic Flor
a	Flog	140	Flogger

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AC-	- 60	265	295"	320	40.	80'	240	155	335
45		450	495	540'	45.	90.	350.	195	160
50	1	500	550	600.	501	100.	400	240	425
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65		650	715	TRO	65	130	700	410.	6.45
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VOHILE	SHORT	SHORT TERM	TERM STATECHARM	LONG TERM
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#### CENERAL NOTES

- CENERAL NOTES

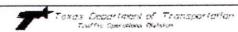
  1. Flogs officered to signs where shown are REQUIRED.
  2. All thortific control devices illustrated are MESULMED, expect those denoted with the fillingle system are proposed by the Engline.
  3. The CMS-4 Mag PARPAMED TO STOP's on may be installed offer the CMSD-4D \*OME LANE BOOK HEAD\* sign, but proper sign specing well be excitational.
  4. Sign specing may be increased or or additional CMSD-1D \*ROAD WORK AMEAD\* sign may be used if advance working aread of the flogger or BI-2 \*IEEU\* sign is less from 1500 feet.
  5. A Suprise Verials with a 18th should be used anythre if can be positioned 10 to 100 feet in advance of the area of once exposure without advancely offecting the performance or quality of the work. If workers are no longer present bit road or work to entitle a road read to the that in control to read the that in control to read the that in control to read the free that in control to read the state of the second of the state of the theory of the second of the state of the theory of the second of the state of the state of the second of the state of t

- i. 81-2 "FIELD" sign that the control may be used an projects with operacetes that have absolute signs a starce. For projects in whose preparations as access about series in control or a longer than one half of the block. In rural areas on readways a thiless than 2000 ANT, work appears about the no longer than 400 feet.

  8.7-2 MIELD" sign with RH-200 "NO DACOMING TRAFFIC" places shall be placed on a support of a 1 feet minimum mounting height.

- Floggers should use two-way radius or other methods or common action to control that it.
  Floggers should use two-way radius or other methods or common action to control that it.
  If the work space is located near a nontrontal or vertical curve, the buffer distances should be increased in order to mointain advantal stopping attact distance to the flogger and a queue of stopped verbles (see thate should should give be a flogger and a queue to the particular may be ontitted when a click or is leading that it and approved by the Engineer.
  Floggers should use 24° STOP/SLOP poodles to pootled that it of the energency situations.

For construction or maintenance contract arra, specific project requirements for shades web size don be found in the project GEMERAL NOTES for Item 502, her iscales, signs and Traffic Hendling.



#### TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (1-2)-12

18:1	-0.0		
-			D3440
-	DOM:HT*		* HOT 4.
		DOI:47*	DOM: OFF



## Fort Bend County Engineering FORT BEND COUNTY, TEXAS

Richard W. Stolleis, P.E. County Engineer

# Fort Bend County Construction - General Notes

- Fort Bend County must be invited to the Pre-Construction Meeting.
- 2. Contractor shall notify Fort Bend County Engineering Department 48 hours prior to commencing construction and 48 hour notice to any construction activity within the limits of the paving at <a href="mailto:construction@fortbendcountytx.gov">Construction@fortbendcountytx.gov</a>.
- 3. Contractor is responsible for obtaining all permits required from Fort Bend County prior to commencing construction of any improvements within County road right of ways.
- 4. All Paving Improvements shall be constructed in accordance with Fort Bend County "Rules, Regulations and Requirements" relating to the Approval and Acceptance of Improvements in Subdivisions as currently amended.
- 5. All road widths, curb radii and curb alignment shown indicates back of curb
- 6. A continuous longitudinal reinforcing bar shall be used in the curbs.
- 7. All concrete pavement shall be 5 ½ sack cement with a minimum compressive strength of 3500 psi at 28 days. Transverse expansion joints shall be installed at each curb return and at a maximum spacing of 60 feet.
- 8. All weather access to all existing streets and driveways shall be maintained at all times.
- 4"x 12" reinforced concrete curb shall be placed in <u>front</u> of single family lots only. All other areas shall be 6" reinforced concrete curb.
- 10. At all intersection locations, Type 7 ramps shall be place in accordance with TXDOT Ped-12a standard detail sheet.
  A.D.A. Handicap Ramps shall be installed with street paving at all intersections and comply with current A.D.A. regulations.
- 11. Curb headers are required at curb connections to Handicap Ramps, with no construction joint within 5' of ramps.
- 12. All intersections utilizing Traffic Control measures shall have A.D.A. wheel chair ramps installed,
- 13. Guidelines are set forth in the Texas "Manual on Uniform Traffic Control Devices", as currently amended, shall be observed. The Contractor shall be responsible for providing adequate flagmen, signing, striping and warning devices, etc., during construction both day and night.
- 14. All R1-1 stop signs shall be 30"x30" with diamond grade sheeting per Texas manual on uniform traffic control devices.
- 15. Street name signage shall be on a 9" high sign flat blade w/reflective green background. Street names shall be upper and lowercase lettering with uppercase letters of 6" minimum and lowercase letters of 4.5" minimum. The letters shall be reflective white. Street name signs shall be mounted on stop sign post.
- 16. A Blue Double Reflectorized button shall be placed at all Fire Hydrant locations. The Button shall be placed 12 inches off of the centerline of the street on the same side as the hydrant.

NOTE: Fort Bend County notes supersede any conflicting notes.

Inspection. The Project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Fort Bend County. No such inspections shall relieve the Contractor of any of its obligations hereunder. Neither failure to inspect nor failure to discover or reject any of the work as not in accordance with the drawings and specifications, requirements and specifications of Fort Bend County or any provision of this Project shall be construed to imply an acceptance of such work or to relieve the Contractor of any of its obligations hereunder.

301 Jackson St., Suite 401, Richmond, TX 77469 Phone 281-633-7500